



City of Santa Barbara
Building & Safety Division
SB ENERGY ORDINANCE

Community Development
630 Garden Street
805-564-5485

Summary of Santa Barbara Energy Ordinance

Effective Date: March 4, 2008

All new residential and nonresidential construction must meet the requirements of the Santa Barbara energy ordinance as summarized below for permitted projects applied for on or after the effective date.

Mandatory Measures

The Ordinance requires that all mandatory measures in the Title 24 standards be installed, and that the following additional measures, as applicable, be installed:

- All fan and pump motors 1.0 nominal HP or greater must be NEMA premium motors.
- All public and private swimming pools, spas and fountains must have natural gas heaters with a minimum AFUE of 90% or greater; and all circulating and filtration pump motors 0.75 nominal HP or greater must be two-speed or variable speed. Exception: Dedicated pump motors serving only spa jets.
- If provided by the builder, all installed home appliances for which there are Energy Star ratings must have the Energy Star label including refrigerators/freezers, clothes washers and dishwashers.

Low-rise Residential Buildings (3 stories or less)

- All new single family homes, multi-family buildings, and all additions to those buildings where the addition is greater than 100 square feet, must exceed the 2005 Title 24 energy performance standards by at least 20%.
- Solar photo-voltaic (PV) systems may be used as a partial credit to achieve the above requirement only if the building exceeds the Title 24 standards by at least **15%**.

High-rise Residential Buildings (4+ stories and 3+ apartments)

All high-rise residential buildings, and all additions to those buildings where the addition is greater than 100 square feet, may meet general compliance requirements using either a prescriptive or performance approach as follows:

Prescriptive Approach: High-rise Residential

- The overall Heat Gain (HG) of the Proposed building envelope as calculated on the Title 24 ENV-3-C form, part 6 of 7, Column I, must be **10% less** than the Standard overall Heat Gain (HG) on ENV-3-C, part 6 of 7, Column M; and,

Summary of Santa Barbara Energy Ordinance (continued)

- The overall Heat Loss (HL) of the Proposed building envelope as calculated on the Title 24 ENV-3-C form, part 3 of 7, Column E, must be **10% less** than the Standard overall Heat Loss (HL) on ENV-3-C, part 3 of 7, Column H.

Performance Approach: High-rise Residential

- Modeling Envelope only, the sum of the Proposed design Heating, Cooling and Fan energy must be at least 15% less than the sum of the same energy components of the Standard design; or,
- Modeling Envelope and Mechanical, the sum of the Proposed design Heating, Cooling, Fan, Pump and Heat Rejection energy must be at least 15% less than the sum of the same energy components of the Standard design.
- Solar photo-voltaic (PV) systems may be used as a partial credit to achieve the above requirement only if the building exceeds the Title 24 standards by at least **10%**.

Nonresidential and Hotel/Motel Buildings

All nonresidential and hotel/motel buildings, and all additions to those buildings where the addition is greater than 100 square feet, may meet general compliance requirements using either a prescriptive or performance approach as follows:

Prescriptive Approach: Nonresidential and Hotel/Motel

- The overall Heat Gain (HG) of the Proposed building envelope as calculated on the Title 24 ENV-3-C form, part 6 of 7, Column I, must be **10% less** than the Standard overall Heat Gain (HG) on ENV-3-C, part 6 of 7, Column M; and,
- The overall Heat Loss (HL) of the Proposed building envelope as calculated on the Title 24 ENV-3-C form, part 3 of 7, Column E, must be **10% less** than the Standard overall Heat Loss (HL) on ENV-3-C, part 3 of 7, Column H.

Performance Approach: Nonresidential and Hotel/Motel

- Modeling Envelope only, the sum of the Proposed design Heating, Cooling and Fan energy must be at least 10% less than the sum of the same energy components of the Standard design; or,
- Modeling Envelope and Mechanical, the sum of the Proposed design Heating, Cooling, Fan, Pump and Heat Rejection energy must be at least 10% less than the sum of the same energy components of the Standard design.
- Solar photo-voltaic (PV) systems may be used as a partial credit to achieve the above requirement only if the building exceeds the Title 24 standards by at least **5%**.

For assistance with the nonresidential performance calculations, see the SB-NR form or electronic spreadsheet provided by the City.

